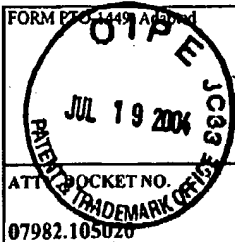


FORM PTO-1449 (Rev. 10/01)

**LIST OF INFORMATION DISCLOSED BY APPLICANT**

(Use several sheets if necessary)

ATTACHMENT NO. 07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP 2631

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EB	AA	4,580,263	04/01/86	Watanabe et al.	—	—	10/21/83
11	AB	5,621,764	04/15/97	Ushirokawa et al.	—	—	6/21/95
4	AC	5,751,726	05/12/98	Kim, You Taeg	—	—	8/9/95
11	AD	5,790,595	8/04/98	Benthin et al.	—	—	9/5/95
7	AE	5,968,198	10/19/99	Hassan et al.	—	—	8/16/96
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

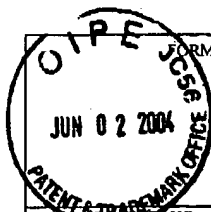
		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION	
						YES	NO
EB	AL	WO 2004/045078 A2	5/27/04	PCT	Kim et al.		
	AM						
	AN						
	AO						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

11	AP	International Search Report for PCT Application No. PCT/US03/35887 dated June 4, 2004.
	AQ	

EXAMINER	DATE CONSIDERED 8/12/04
----------	-------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT

(Use several sheets if necessary)

ATTORNEY NO. 07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EB	AA	2,632,058	3/17/1953	Frank Gray			11/13/1947
/	AB	3,445,771	5/20/1969	Clapham et al.			2/28/1966
//	AC	3,571,725	3/23/1971	Kaneko et al.			5/22/1968
//	AD	3,714,437	1/30/1973	Tracy Stewart Kinsel			8/14/1970
/	AE	3,806,915	4/23/1974	Higgins et al.			9/5/1972
/	AF	3,977,795	8/31/1976	Buschmann, Hans-Theo			2/11/1974
//	AG	4,287,756	9/8/1981	Gallagher, John J.			10/24/1979
/	AH	4,349,914	9/14/1982	Evans, Randall G.			4/1/1980
/	AI	4,363,127	12/7/1982	Evans et al.			1/12/1981
/	AJ	4,386,339	5/31/1983	Henry et al.			4/5/1982
/	AK	4,387,461	6/7/1983	Evans, Randall G.			3/11/1981
/	AL	4,393,499	7/12/1983	Evans, Randall G.			3/11/1981
/	AM	4,464,771	8/7/1984	Sorensen, Bendt H.			4/2/1982
/	AN	4,470,126	9/4/1984	Yusuf A. Haque			10/29/1981
//	AO	4,479,266	10/23/1984	Eumurian et al.			8/10/1982
/	AP	4,521,883	6/4/1985	Roché, Bernard			6/21/1982
//	AQ	4,584,720	4/22/1986	Ian Garrett			8/30/1983
//	AR	4,618,941	10/21/1986	Linder et al.			9/19/1983
/	AS	4,651,026	3/17/1987	Serfaty et al.			6/11/1984

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT*(Use several sheets if necessary)*

ATTY. DOCKET NO. 07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EB	BA	4,751,497	6/14/1988	Toshihiro Torii			4/18/1986
/	BB	4,830,493	5/16/1989	Giebler, Robert			10/29/1987
/	BC	4,847,521	7/11/1989	Huignard et al.			12/22/1987
/	BD	4,864,590	9/5/1989	Arnon et al.			6/30/1988
/	BE	4,912,726	3/27/1990	Iwamatsu et al.			1/8/1988
/	BF	4,942,593	7/17/1990	Whiteside et al.			3/16/1989
/	BG	4,959,535	9/25/1990	Ian Garrett			10/10/1989
/	BH	4,978,957	12/18/1990	Hotta et al.			2/6/1990
/	BI	5,007,106	4/9/1991	Kahn et al.			11/8/1989
/	BJ	5,008,957	4/16/1991	Mikio Klyono			3/3/1989
/	BK	5,012,475	4/30/1991	Bruce D. Campbell			4/17/1990
/	BL	5,067,126	11/19/1991	Moore, Thomas E.			8/4/1989
/	BM	5,072,221	12/10/1991	Schmidt, Robert R.			8/4/1988
/	BN	5,111,065	5/5/1992	James K. Roberge			3/23/1990
/	BO	5,113,278	5/12/1992	Degura et al.			4/20/1990
/	BP	5,115,450	5/19/1992	Arcuri, Salvatore			7/6/1989
/	BQ	5,121,411	6/9/1992	Fluharty, Kevin L.			7/24/1990
/	BR	5,128,790	7/7/1992	Heidemann et al.			9/12/1991
/	BS	5,132,639	7/21/1992	Blauvelt et al.			2/8/1991

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered; whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT*(Use several sheets if necessary)*

ATTY. DOCKET NO. 07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EFB	CA	5,151,698	9/29/1992	Lucien Pophillat			9/18/1990
//	CB	5,181,034	1/19/1993	Takakura et al.			4/29/1992
//	CC	5,181,136	1/19/1993	Kavehrad et al.			9/20/1990
//	CD	5,184,131	2/2/1993	Ikeda, Hiroshi			6/20/1990
//	CE	5,208,833	5/4/1993	Erhart et al.			4/8/1991
//	CF	5,222,103	6/22/1993	Richard W. Gross			1/2/1991
//	CG	5,223,834	6/29/1993	Wang et al.			11/29/1991
//	CH	5,225,798	7/6/1993	Hunsinger et al.			5/31/1991
//	CI	5,237,590	8/17/1993	Kazawa et al.			12/11/1991
//	CJ	5,243,613	9/7/1993	Gysel et al.			11/5/1991
//	CK	5,252,930	10/12/1993	Henry A. Blauvelt			7/21/1992
//	CL	5,282,072	1/25/1994	Nazarathy et al.			11/19/1991
//	CM	5,283,679	2/1/1994	Wedding, Berthold			12/10/1991
//	CN	5,291,031	3/1/1994	MacDonald et al.			4/6/1992
//	CO	5,293,406	3/8/1994	Hiroshi Suzuki			3/11/1992
//	CP	5,300,930	4/5/1994	Burger et al.			10/29/1991
//	CQ	5,321,543	6/14/1994	Huber, David R.			10/20/1992
//	CR	5,321,710	6/14/1994	Cornish et al.			4/19/1993
//	CS	5,327,279	7/5/1994	Farina et al.			7/17/1992

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	8/12/04

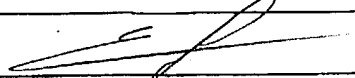
FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT*(Use several sheets if necessary)*

ATTY. DOCKET NO. 07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
α/β	DA	5,343,322	8/30/1994	Pirio et al.			12/23/1992
//	DB	5,351,148	9/27/1994	Maeda et al.			5/26/1993
//	DC	5,355,240	10/11/1994	Prigent et al.			9/1/1992
//	DD	5,361,156	11/1/1994	Rezin E. Pidgeon			12/9/1991
//	DE	5,371,625	12/6/1994	Wedding et al.			1/29/1993
//	DF	5,373,384	12/13/1994	Jean-Paul Hebert			7/30/1993
//	DG	5,376,786	12/27/1994	MacDonald, R. Ian			4/22/1993
//	DH	5,382,955	1/17/1995	Knierim, Daniel G.			11/4/1993
//	DI	5,387,887	2/7/1995	Zimmerman et al.			3/4/1994
//	DJ	5,408,485	4/18/1995	Gordon W. Ries			5/11/1994
//	DK	5,413,047	5/9/1995	Evans et al.			10/15/1993
//	DL	5,416,628	5/16/1995	Betti et al.			11/9/1992
//	DM	5,418,637	5/23/1995	Chien-Yu Kuo			5/16/1994
//	DN	5,424,680	6/13/1995	Nazarathy et al.			11/30/1993
//	DO	5,428,643	6/27/1995	Razzell, Charles J. H.			7/28/1993
//	DP	5,436,752	7/25/1995	Wedding, Berthold			10/28/1993
//	DQ	5,436,756	7/25/1995	Knox et al.			9/30/1992
//	DR	5,450,044	9/12/1995	Timothy P. Hulick			4/14/1993
//	DS	5,481,389	1/2/1996	Pidgeon et al.			10/9/1992

EXAMINER 	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT*(Use several sheets if necessary)*

ATTY. DOCKET NO. .07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>EA</i>	EA	5,481,568	1/2/1996	Yada, Hiroaki			12/21/1994
<i>EB</i>	EB	5,504,633	4/2/1996	Gijsbert J. Van Den Enden			11/21/1994
<i>EC</i>	EC	5,510,919	4/23/1996	Berthold Wedding			11/28/1994
<i>ED</i>	ED	5,528,710	6/18/1996	Burton et al.			5/5/1993
<i>EE</i>	EE	5,548,253	8/20/1996	Randolph L. Durrant			4/17/1995
<i>EF</i>	EF	5,574,743	11/12/1996	van der Poel et al.			3/21/1995
<i>EG</i>	EG	5,589,786	12/31/1996	Bella et al.			6/1/1995
<i>EH</i>	EH	5,612,653	3/18/1997	Dodds et al.			6/7/1995
<i>EI</i>	EI	5,625,360	4/29/1977	Garrity et al.			9/5/1995
<i>EJ</i>	EJ	5,625,722	4/29/1997	Froberg et al.			12/21/1994
<i>EK</i>	EK	5,644,325	7/1/1997	King et al.			12/12/1994
<i>EL</i>	EL	5,670,871	9/23/1997	Man et al.			7/16/1996
<i>EM</i>	EM	5,675,600	10/7/1997	Yamamoto			6/11/1996
<i>EN</i>	EN	5,678,198	10/14/1997	Paul H. Lemson			5/15/1995
<i>EO</i>	EO	5,689,356	11/18/1997	Attilio Joseph Rainal			7/26/1996
<i>EP</i>	EP	5,706,008	1/6/1998	Huntley, Jr. et al.			3/1/1996
<i>EQ</i>	EQ	5,721,315	2/24/1998	Evans et al.			8/16/1995
<i>ER</i>	ER	5,723,176	3/3/1998	Keyworth et al.			7/8/1996
<i>ES</i>	ES	5,754,681	5/19/1998	Watanabe et al.			6/22/1995

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>8/2/00</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

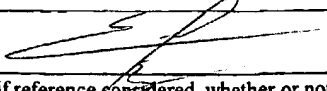
FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT*(Use several sheets if necessary)*

ATTY. DOCKET NO. .07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
dc	FA	5,757,763	5/26/1998	Green et al.			6/13/1997
	FB	5,761,243	6/2/1998	Russell et al.			5/3/1996
	FC	5,764,542	6/9/1998	Gaudette et al.			1/11/1996
	FD	5,783,630	7/21/1998	Evans et al.			7/7/1995
	FE	5,784,032	7/21/1998	Johnston et al.			11/1/1995
	FF	5,798,854	8/25/1998	Blauvelt et al.			11/27/1996
	FG	5,801,657	9/1/1998	Fowler et al.			2/5/1997
	FH	5,802,089	9/1/1998	Garry N. Link			10/22/1996
	FI	5,812,578	9/22/1998	Schemmann et al.			6/16/1995
	FJ	5,825,211	10/20/1998	Smith et al.			10/22/1997
	FK	5,825,257	10/20/1998	Klymyshyn et al.			6/17/1997
	FL	5,825,825	10/20/1998	Altmann et al.			9/17/1996
	FM	5,828,329	10/27/1998	Burns, Lawrence M.			12/5/1996
	FN	5,839,105	11/17/1998	Ostendorf et al.			11/29/1996
	FO	5,841,841	11/24/1998	Dodds et al.			3/14/1996
	FP	5,844,436	12/1/1998	Altmann, Michael			11/6/1996
	FQ	5,848,139	12/8/1998	Grover, Wayne D.			11/19/1996
✓	FR	5,850,409	12/15/1998	Garry N. Link			3/21/1997
dc	FS	5,850,505	12/15/1998	Grover et al.			11/1/1995

EXAMINER 	DATE CONSIDERED 8/12/04
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT*(Use several sheets if necessary)*

ATTY. DOCKET NO. 07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>MB</i>	GA	5,852,389	12/22/1998	Kumar et al.			4/17/1997
<i>↑</i>	GB	5,859,862	1/12/1999	Hikasa et al.			6/20/1995
	GC	5,861,966	1/19/1999	Ortel, William G.			12/27/1995
	GD	5,872,468	2/16/1999	Dyke, Peter J.			6/12/1997
	GE	5,878,390	3/2/1999	Kawai et al.			6/23/1997
	GF	5,880,870	3/9/1999	Sieben et al.			10/28/1996
	GG	5,883,910	3/16/1999	Garry N. Link			7/3/1997
	GH	5,887,022	3/23/1999	Lee et al.			6/12/1996
	GI	5,889,759	3/30/1999	McGibney, Grant			8/13/1996
	GJ	5,896,392	4/20/1999	Ono et al.			6/19/1997
	GK	5,912,749	6/15/1999	Harstead et al.			2/11/1997
	GL	5,920,600	7/6/1999	Yamaoka et al.			9/17/1996
	GM	5,923,226	7/13/1999	Kakura et al.			8/12/1997
	GN	5,942,576	8/24/1999	Evans et al.			11/3/1997
	GO	5,943,380	8/24/1999	Marchesani et al.			3/28/1997
	GP	5,943,457	8/24/1999	Hayward et al.			3/24/1998
	GQ	5,949,926	9/7/1999	Davies, Robert J.			12/15/1997
<i>↓</i>	GR	5,959,032	9/28/1999	Evans et al.			7/8/1996
<i>MB</i>	GS	5,959,750	9/28/1999	Eskildsen et al.			6/6/1996

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>8/12/04</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT*(Use several sheets if necessary)*

ATTY. DOCKET NO. 07982.105020	SERIAL NO. 10/809,736	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>E/B</i>	HA	5,965,667	10/12/1999	Evans et al.			11/3/1997
	HB	5,983,178	11/9/1999	Naito et al.			12/10/1998
	HC	5,985,999	11/16/1999	Dominguez et al.			4/23/1997
	HD	5,999,300	12/7/1999	Davies et al.			6/12/1997
	HE	6,002,274	12/14/1999	Smith et al.			9/29/1995
	HF	6,009,424	12/28/1999	Lepage et al.			9/3/1997
	HG	6,021,110	2/1/2000	McGibney, Grant			1/26/1999
	HH	6,028,658	2/22/2000	Hamada et al.			11/25/1998
	HI	6,031,048	2/29/2000	Evans et al.			7/12/1996
	HJ	6,031,866	2/29/2000	Oler et al.			5/30/1997
	HK	6,031,874	2/29/2000	Chennakeshu et al.			9/26/1997
	HL	6,034,996	3/7/2000	Herzberg, Hanan			10/2/1997
	HM	6,035,080	3/7/2000	Henry et al.			6/20/1997
	HN	6,041,299	3/21/2000	Schuster et al.			3/11/1998
	HO	6,072,364	6/6/2000	Jeckeln et al.			6/14/1997
	HP	6,072,615	6/6/2000	Pavel V. Mamyshev			6/13/1997
	HQ	6,078,627	6/20/2000	Ian Crayford			12/18/1997
	HR	6,084,931	7/4/2000	Powell, II et al.			10/31/1997
<i>E/B</i>	HS	6,091,782	7/18/2000	Nobuya Harano			7/21/1997

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>8/12/04</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT*(Use several sheets if necessary)*

ATTY. DOCKET NO. 07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>αβ</i>	IA	6,093,496	7/25/2000	Dominguez et al.			5/12/1998
↑	IB	6,093,773	7/25/2000	Evans et al.			8/3/1999
	IC	6,108,474	8/22/2000	Eggleton et al.			12/11/1997
	ID	6,111,477	8/29/2000	Klymyshyn et al.			4/17/1997
	IE	6,118,563	9/12/2000	Boskovic et al.			9/18/1998
	IF	6,118,567	9/12/2000	Alameh et al.			9/30/1997
	IG	6,127,480	10/3/2000	Dominguez et al.			10/19/1999
	IH	6,140,416	10/31/2000	Evans et al.			8/3/1999
	II	6,140,858	10/31/2000	Francois Dumont			11/18/1997
	IJ	6,140,972	10/31/2000	Johnston et al.			12/28/1998
	IK	6,141,127	10/31/2000	Boivin et al.			2/20/1998
	IL	6,141,387	10/31/2000	Qin Zhang			3/19/1998
	IM	6,148,428	11/14/2000	Welch et al.			5/21/1998
	IN	6,151,150	11/21/2000	Osamu Kikuchi			10/2/1997
	IO	6,154,301	11/28/2000	Philip C. Harvey			11/10/1997
	IP	6,163,638	12/19/2000	Eggleton et al.			10/29/1998
	IQ	6,181,454 B1	1/30/2001	Nagahori et al.			4/23/1998
↓	IR	6,191,719 B1	2/20/2001	Bult et al.			12/10/1999
<i>αβ</i>	IS	6,201,916 B1	3/13/2001	Eggleton et al.			3/15/1999

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT*(Use several sheets if necessary)*

ATTY. DOCKET NO. 07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>ES</i>	JA	6,208,792 B1	3/27/2001	Hwang et al.			9/20/1999
	JB	6,212,654 B1	4/3/2001	Lou et al.			7/22/1997
	JC	6,214,914 B1	4/10/2001	Evans et al.			8/3/1999
	JD	6,219,633 B1	4/17/2001	Lepage, Yves			8/6/1999
	JE	6,226,112 B1	5/1/2001	Denk et al.			6/18/1998
	JF	6,236,963 B1	5/22/2001	Naito et al.			3/16/1999
	JG	6,259,836 B1	7/10/2001	Dodds, David E.			5/14/1998
	JH	6,259,847 B1	7/10/2001	Lenz et al.			4/7/1999
	JI	6,268,816 B1	7/31/2001	Bult et al.			1/3/2001
	JJ	6,271,944 B1	8/7/2001	Schemmann et al.			6/30/1999
	JK	6,281,824 B1	8/28/2001	Toshihiko Masuda			10/12/1999
	JL	6,288,668 B1	9/11/2001	Tsukamoto et al.			2/21/1996
	JM	6,289,055 B1	9/11/2001	Herbert Knotz			4/5/1999
	JN	6,289,151 B1	9/11/2001	Kazarinov et al.			10/30/1998
	JO	6,298,459 B1	10/2/2001	Sanroku Tsukamoto			3/4/1998
	JP	6,304,199 B1	10/16/2001	Fang et al.			5/5/1999
	JQ	6,317,469 B1	11/13/2001	Herbert, Brian K.			6/28/1996
<i>U</i>	JR	6,341,023 B1	1/22/2002	Puc, Angrej B.			7/23/1999
<i>ES</i>	JS	6,388,786 B1	5/14/2002	Ono et al.			6/13/2000

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT*(Use several sheets if necessary)*

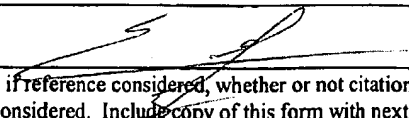
ATTY. DOCKET NO. 07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>EB</i>	KA	6,421,155 B1	7/16/2002	Yano, Yutaka			5/27/1998
<i>//</i>	KB	6,473,131 B1	10/29/2002	Neugebauer et al.			6/30/2000
<i>/</i>	KC	6,665,500 B2	12/16/2003	Snawerdt, Peter			1/29/2001
<i>//</i>	KD	2002/0196508 A1	12/26/2002	Wei et al.			10/4/2001
<i>/</i>	KE	2003/0002121 A1	1/2/2003	Miyamoto et al.			6/26/2002
	KF						
	KG						
	KH						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION	
						YES	NO
<i>EB</i>	KI	0 527 966 B1	9/21/1994	EP	Betti, et al.		
<i>/</i>	KJ	0 584 865 B1	3/15/2000	EP	Christopher Brian Marshall		
<i>/</i>	KK	2 223 369 A	4/4/1990	GB	Joy et al.		
<i>//</i>	KL	2 306 066 A	4/23/1997	GB	Altmann et al.		
<i>//</i>	KM	04187738 Abstract	7/15/1992	Japan	Yasuse Atsushi	X	
<i>//</i>	KN	08079186A Abstract	3/22/1996	Japan	Masaki et al.	X	
<i>/</i>	KO	199000063162 Abstract	11/25/1991	Japan	Koichiro et al.	X	
<i>/</i>	KP	62082659 Abstract	10/14/1988	Japan	Shibata Isamu	X	
	KQ						
	KR						

EXAMINER 	DATE CONSIDERED <i>8/20/04</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT

(Use several sheets if necessary)

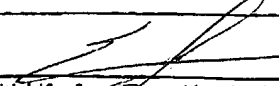
ATTY. DOCKET NO. 07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION	
						YES	NO
RP	LA	WO 99/45683	9/10/1999	PCT	Rowan et al.		
4	LB	WO 01/41346 A2	6/7/2001	PCT	Fishman et al.		
11	LC	WO 02/067521 A1	8/29/2002	PCT	Vrazel et al.		
4	LD	WO 02/091600 A2	11/14/2002	PCT	Schmukler et al.		
4	LE	WO 03/077423 A2	9/18/2003	PCT	Hietala et al.		
11	LF	WO 03/092237 A1	11/6/2003	PCT	Vrazel et al.		
11	LG	WO 2004/008782 A2	1/22/2004	PCT	Kim et al.		
	LH						
	LI						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

RP	LJ	André et al.; <i>InP DHBT Technology and Design Methodology for High-Bit-Rate Optical Communications Circuits</i> ; IEEE Journal of Solid-State Circuits; Vol. 33, No. 9, September 1998; pp. 1328-1335
4	LK	Borjak et al.; <i>High-Speed Generalized Distributed-Amplifier-Based Transversal-Filter Topology for Optical Communication Systems</i> ; IEEE Transactions on Microwave Theory and Techniques; Vol. 45, No. 8; August 1997; pp. 1453-1457
9	LL	Buchali et al.; <i>Fast Eye Monitor for 10 Gbit/s and its Application for Optical PMD Compensation</i> ; Optical Society of America; (2000); pp. TuP5-1 - TuP1-3
11	LM	Cartledge et al.; <i>Performance of Smart Lightwave Receivers With Linear Equalization</i> ; Journal of Lightwave Technology; Vol. 10, No. 8; August 1992; pp. 1105-1109
4	LN	Chi et al.; <i>Transmission Performance of All-Optically Labelled Packets Using ASK/DPSK Orthogonal Modulation</i> ; The 15 th Annual Meeting of the IEEE Lasers and Electro-Optics Society, 2002; LEOS 2002; 10-14 November 2002; Vol. 1:51-52. The whole document.
4	LO	Chiang et al.; <i>Implementation of STARNET: A WDM Computer Communications Network</i> ; IEEE Journal on Selected Areas in Communications; June 1996; Vol. 14, No. 5; pp. 824-839
11	LP	Cimini et al.; <i>Can Multilevel Signaling Improve the Spectral Efficiency of ASK Optical FDM Systems?</i> ; IEEE Transactions on Communications; Vol. 41, No. 7; July 1993; pp. 1084-1090
11	LQ	Downie et al.; <i>Performance Monitoring of Optical Networks with Synchronous and Asynchronous Sampling</i> ; Corning Incorporated, Science and Technology; SP-AR-02-1; p. WDD50-1; Abstract
11	LR	Enning et al.; <i>Design and Test of Novel Integrate and Dump Filter (I&D) for Optical Gbit/s System Applications</i> ; Electronics Letters; (November 21, 1991); Vol. 27, No. 24; pp. 2286-2288
11	LS	Fürst et al.; <i>Performance Limits of Nonlinear RZ and NRZ Coded Transmission at 10 and 40 Gb/s on Different Fibers</i> ; pp. 302-304

EXAMINER 	DATE CONSIDERED 8/12/04
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO. 07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

MA	Garrett, Ian; <i>Pulse-Position Modulation for Transmission Over Optical Fibers with Direct or Heterodyne Detection</i> ; IEEE Transactions on Communications; Vol. COM-31; No. 4; April 1983; pp. 518-527
MB	Godin et al.; <i>A InP DHBT Technology for High Bit-rate Optical Communications Circuits</i> ; IEEE; (1997); pp. 219-222
MC	Haskins et al.; <i>FET Diode Linearizer Optimization for Amplifier Predistortion in Digital Radios</i> ; IEEE Microwave and Guided Wave Letters; Vol. 10, No. 1; January 2000; pp. 21-23
MD	Hranilovic et al.; <i>A Multilevel Modulation Scheme for High-Speed Wireless Infrared Communications</i> ; IEEE; (1999); pp. VI-338 - VI-341
ME	Idler et al.; <i>40 Gbit/s Quaternary Dispersion Supported Transmission Field Trial Over 86 km Standard Singlemode Fibre</i> ; 24 th European Conference on Optical Communication; September, 1998; pp. 145-147
MF	Jutzi, Wilhelm; <i>Microwave Bandwidth Active Transversal Filter Concept with MESFETs</i> ; IEEE Transactions on Microwave Theory and Technique, Vol. MTT-19, No. 9; September 1971; pp. 760-767
MG	Kaess et al.; <i>New Encoding Scheme for High-Speed Flash ADC's</i> ; IEEE International Symposium on Circuits and Systems; June 9-12, 1997; Hong Kong; pp. 5-8
MH	Kaiser et al.; <i>Reduced Complexity Optical Duobinary 10-Gb/s Transmitter Setup Resulting in an Increased Transmission Distance</i> ; IEEE Photonics Technology Letters; August 2001; Vol. 13; No. 8; pp. 884-886
MI	Lee et al.; <i>Effects of Decision Ambiguity Level on Optical Receiver Sensitivity</i> ; IEEE Photonics Technology Letters; Vol. 7, No. 19; October 1995; pp. 1204-1206
MJ	Marcuse, Dietrich; <i>Calculation of Bit-Error Probability for a Lightwave System with Optical Amplifiers and Post-Detection Gaussian Noise</i> ; Journal of Lightwave Technology; Vol. 9, No. 4; April 1991; pp. 505-513
MK	Megherbi et al.; <i>A GaAs-HBT A/D Gray-Code Converter</i> ; IEEE; (1997); pp. 209-212
ML	Nazarathy et al.; <i>Progress in Externally Modulated AM CATV Transmission Systems</i> ; Journal of Lightwave Technology; Vol. 11, No. 1; January 1993; pp. 82-105
MM	Oehler et al.; <i>A 3.6 Giga-sample/s 5 bit Analog to Digital Converter Using 0.3 μm AlGaAs-HEMT Technology</i> ; IEEE; (1993); pp. 163-164
MN	Ohm et al.; <i>Quaternary Optical ASK-DPSK and Receivers with Direct Detection</i> ; IEEE Photonics Technology Letters; January 2003; Vol. 15, No. 1; pp. 159-161
MO	Ohtsuki et al.; <i>BER Performance of Turbo-Coded PPM CDMA Systems on Optical Fiber</i> ; Journal of Lightwave Technology; Vol. 18; No. 12; December, 2000; pp. 1776-1784
MP	Ota et al.; <i>High-Speed, Burst-Mode, Packet-Capable Optical Receiver and Instantaneous Clock Recovery for Optical Bus Operation</i> ; Journal of Lightwave Technology; Vol. 12, No. 2; February 1994; pp. 325-331
MQ	Paul, et al.; <i>3 Gbit/s Optically Preamplified Direct Detection DPSK Receiver With 116 photon/bit Sensitivity</i> ; Electronics Letters; Vol. 29, No. 7; April 1, 1993; pp. 614-615
MR	Penninckx et al.; <i>Optical Differential Phase Shift Keying (DPSK) Direct Detection Considered as a Duobinary Signal</i> ; Proc. 27 th Eur. Conf. on Opt. Comm. (ECOC'01 - Amsterdam); Vol. 3; September 30 to October 4, 2001; pp. 456-457
MS	Poulton et al.; <i>An 8-GSa/s 8-bit ADC System</i> ; Symposium on VLSI Circuits Digest of Technical Papers; (1997); pp. 23-24
MT	Poulton et al.; <i>A 6-b, 4 GSa/s GaAs HBT ADC</i> ; IEEE Journal of Solid-State Circuits; Vol. 30, No. 10; October 1995; pp. 1109-1118

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449, Adapted

LIST OF INFORMATION DISCLOSED BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO. 07982.105020	SERIAL NO. 10/809,756	FILING DATE March 25, 2004
APPLICANT Michael Vrazel		GROUP

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

NA	Poulton et al.; <i>A 6-bit, 4 GSa/s ADC Fabricated in a GaAs HBT Process</i> ; IEEE; (1994); pp. 240-243
NB	Prasetyo et al.; <i>Application for Amplitude Gain Estimation Techniques for Multilevel Modulation in OFDM Systems</i> ; IEEE; (1998); pp. 821-824
NC	Rohde et al.; <i>Robustness of DPSK Direct Detection Transmission Format in Standard Fibre WDM Systems</i> ; Electronics Letters; Vol. 36, No. 17; August 17, 2000; pp. 1483-1484
ND	Runge et al.; <i>High-Speed Circuits for Lightwave Communications</i> ; 1999; World Scientific, pp. 181-184
NE	Shirasaki et al.; <i>Fibre Transmission Properties of Optical Pulses Produced Through Direct Phase Modulation of DFB Laser Diode</i> ; Electronics Letters; Vol. 24, No. 8; April 14, 1988; pp. 486-488
NF	Shtauf et al.; <i>Limits on the Spectral Efficiency of Intensity Modulated Direct Detection Systems with Optical Amplifiers</i> ; AT&T Labs Research; pp. MM1-1 - MM1-3
NG	Su et al.; <i>Inherent Transmission Capacity Penalty of Burst-Mode Receiver for Optical Multiaccess Networks</i> ; IEEE Photonics Technology Letters; Vol. 6, No. 5; May 1994; pp. 664-667
NH	Vodhanel et al.; <i>Performance of Directly Modulated DFB Lasers in 10-Gb/s ASK, FSK, and DPSK Lightwave Systems</i> ; Journal of Lightwave Technology; September 1990; Vol. 8, No. 9; pp. 1379-1386
NI	Vorenkamp et al.; <i>A 1Gs/s, 10b Digital-to-Analog Converter</i> ; ISSCC94/Session 3/Analog Techniques/Paper WP 3.3; pp. 52-53
NJ	Wakimoto et al.; <i>Si Bipolar 2-GHz 6-bit Flash A/D Conversion LSI</i> ; IEEE Journal of Solid-State Circuits; December 1988; Vol. 23, No. 6; pp. 1345-1350
NK	Walkin et al.; <i>A 10 Gb/s 4-ary ASK Lightwave System</i> ; ECOC; 1997; pp. 255-258
NL	Walklin et al.; <i>Multilevel Signaling for Extending the Dispersion-Limited Transmission Distance in High-Speed, Fiber Optic Communication Systems</i> ; IEEE; 1996; pp. 233-236
NM	Walklin et al.; <i>Multilevel Signaling for Increasing the Reach of 10 Gb/s Lightwave Systems</i> ; IEEE Journal of Lightwave Technology; Vol. 17, No. 11; November, 1999; pp. 2235-2248
NN	Wang et al.; <i>Multi-Gb/s Silicon Bipolar Clock Recovery IC</i> ; IEEE Journal on Selected Areas in Communications; Vol. 9, No. 5; June 1991; pp. 656-663
NO	Webb, William T.; <i>Spectrum Efficiency of Multilevel Modulation Schemes in Mobile Radio Communications</i> ; IEEE Transactions on Communications; Vol. 43, No. 8; August 1995; pp. 2344-2349
NP	Wedding et al.; <i>Multi-Level Dispersion Supported Transmission at 20 Gbit/s Over 46 km Installed Standard Singlemode Fibre</i> ; 22 nd European Conference on Optical Communication; 1996; pp. 91-94
NQ	Wedding et al.; <i>Fast Adaptive Control for Electronic Equalization of PMD</i> ; Optical Society of America; (2000); pp. TuP4-1 - TuP4-3
NR	Westphal et al.; <i>Lightwave Communications</i> ; 1994; Thursday Afternoon/CLEO '94; pp. 337-338
NS	Wilson et al.; <i>Predistortion of Electroabsorption Modulators for Analog CATV Systems at 1.55 μm</i> ; Journal of Lightwave Technology; Vol. 15, No. 9; September 1997; pp. 1654-1662
NT	Author: Unknown; <i>Digital Carrier Modulation Schemes</i> ; Title: Unknown; Date: Unknown; pp. 380-442
NU	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered; whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.